

Description: 2.4-2.5 / 5.15-5.925 GHz Stick Antenna

Series: External Antenna

PART NUMBER: W1093



Features:

- WiFi Dual-Band
- DSRC
- Multi band 2.4-2.5/5.15-5.925GHz
- IP65
- Length 76mm

Applications:

- Zigbee, BLE/BT, WLAN (2.4GHz, 5GHz)
- DSRC V2x communication
- Rugged Outdoor Systems
- Marine, Mining, Utility, Oil/Gas Environments
- Industrial Applications
- Metering, Security, IoT Applications
- Outdoor Networking
- Data Transmission, Access Points

Issue: 2027

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

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ELECTRICAL SPECIFICATIONS

Frequency	2.4-2.5GHz/5.15-5.925GHz
Nominal Impedance	50Ω
Return Loss	2.4-2.5GHz <-10dB 5.15-5.85GHz <-4dB 5.55GHz <-10dB
Peak Gain	2.4-2.5GHz 2.3dBi +/-1 dB 5.15-5.85GHz 5dBi +/-1dB 5.925GHz 3dBi +/-1dB
Radiation Pattern	Omni in Horizontal plane
Polarization:	Vertical
Power withstanding	1W
Connector type	SMA male

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MECHANICAL SPECIFICATIONS

Plastic radome	TPEE
Color	Black
Weight	7.82 g
Overall Length	76 mm
IP Rate	IP65

ENVIRONMENTAL SPECIFICATIONS

Operating temperature	-35/+85° C
Storage Temperature	-40/+85° C

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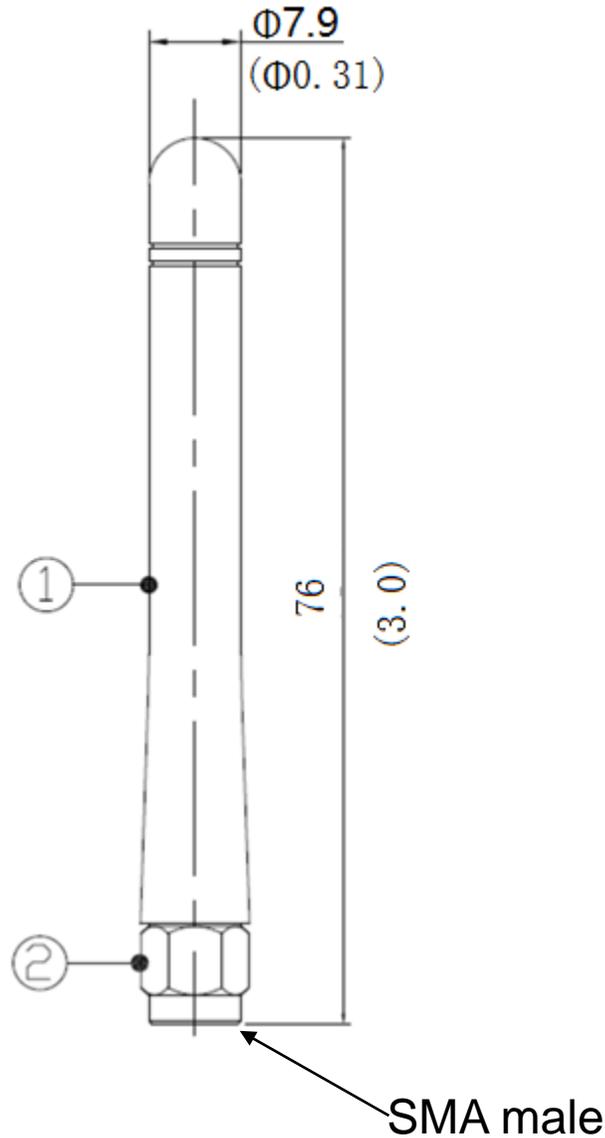
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MECHANICAL DRAWING



- 1, Dimension show as mm (inch)
- 2, Item 1 is tube, and item 2 is connector

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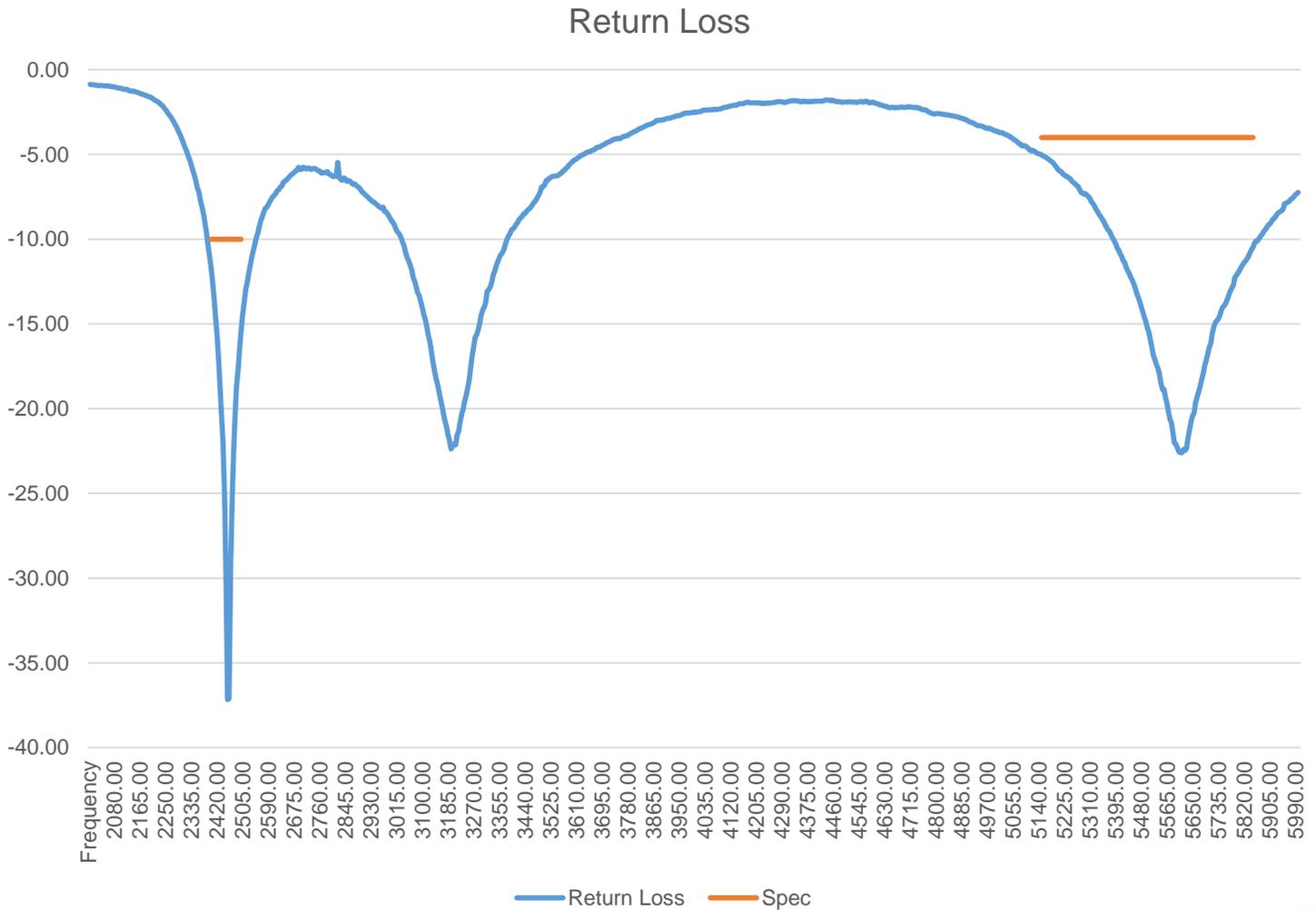
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CHARTS

Return Loss



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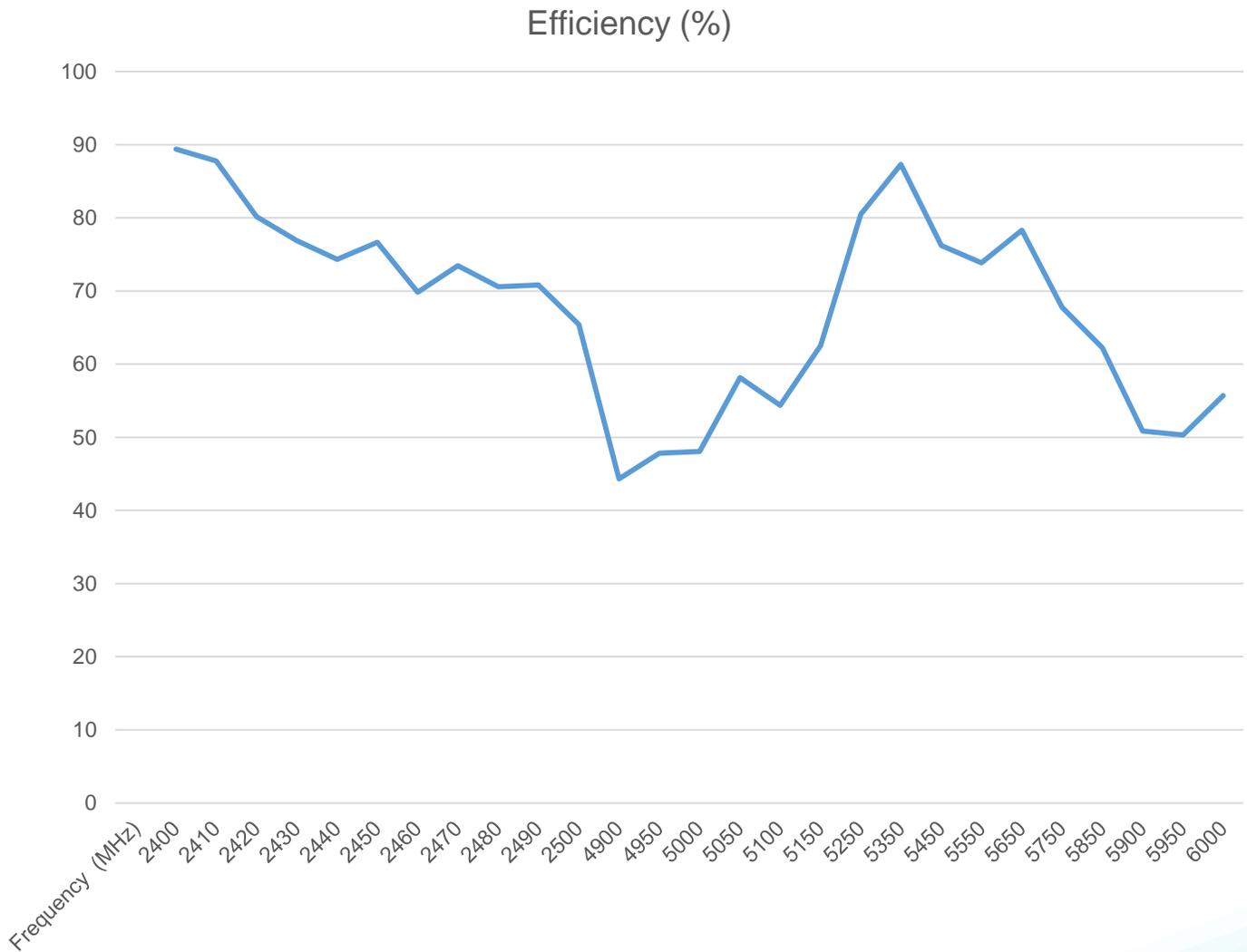
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CHARTS

Efficiency(%)



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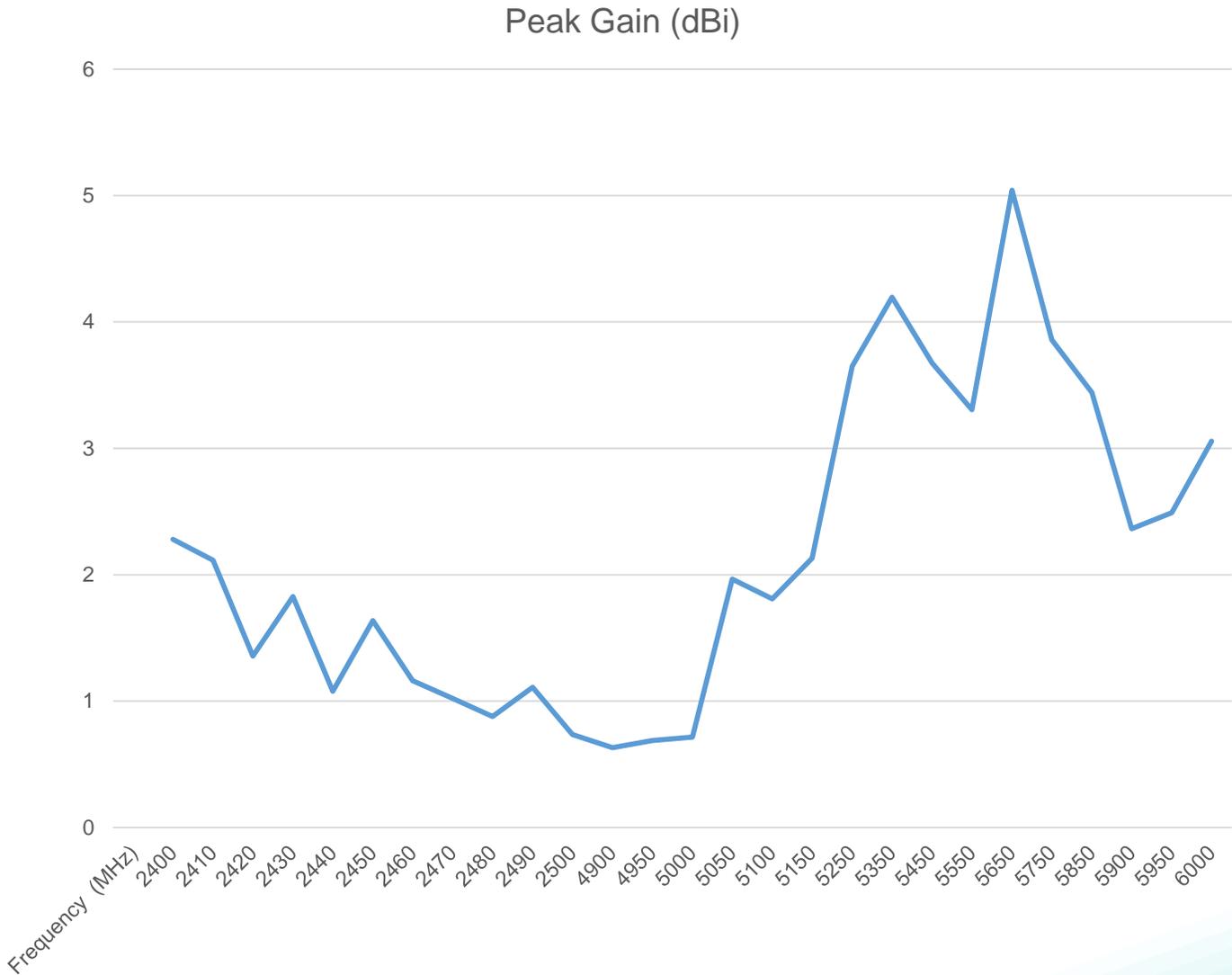
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CHARTS

Peak Gain (dBi)



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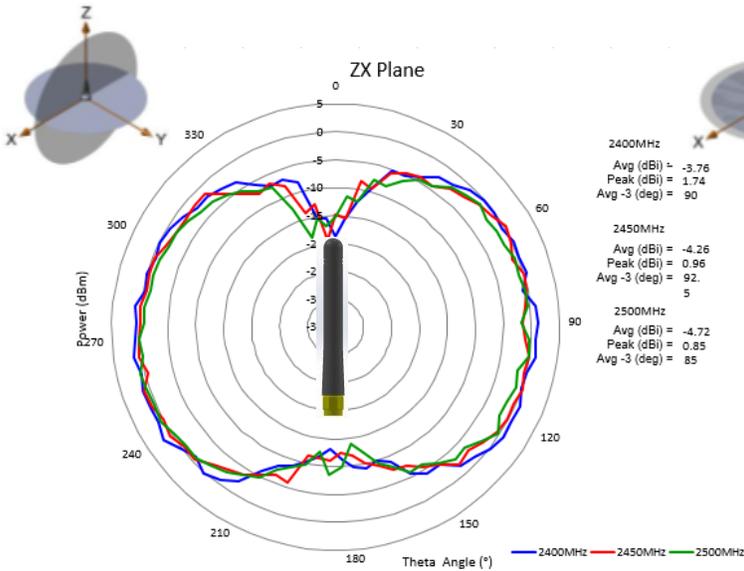
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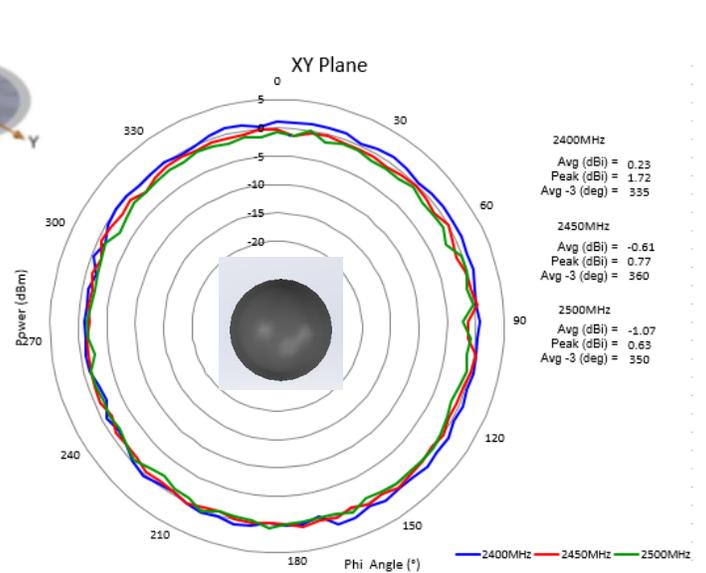
CHARTS

Free Space Radiation Pattern

Elevation Plane



Horizontal Plane



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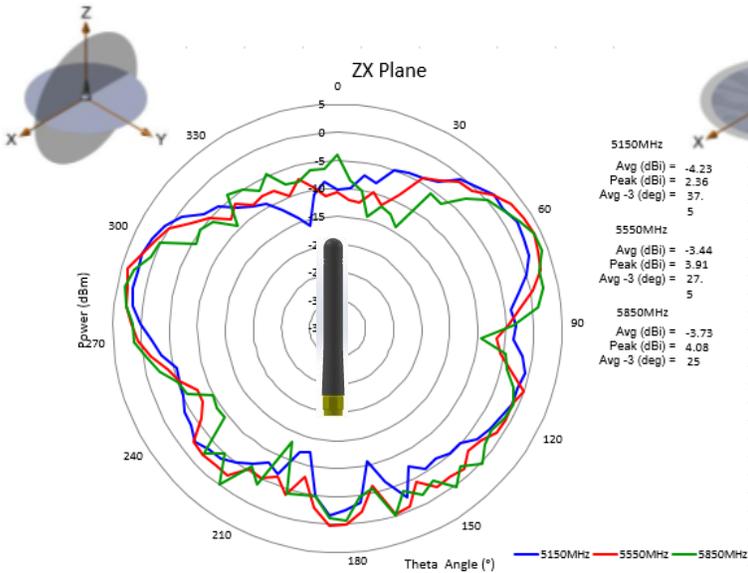
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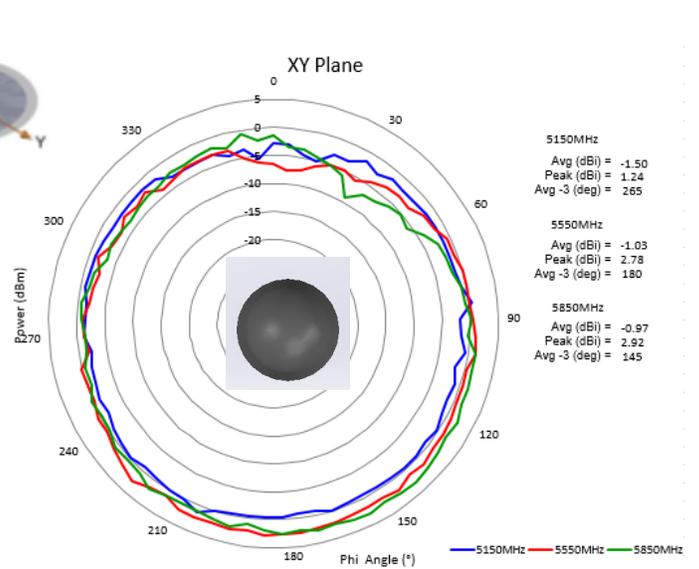
CHARTS

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Elevation Plane



Horizontal Plane



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PACKAGING

20PCS/Bullet PE bag
30 Bullet PE bag/ Carton box
Total 600PCS antenna/ Carton box

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